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(12) United States Patent Monrad et al.

(54) DRUG DELIVERY DEVICE WITH SHIELD OPERATED NEEDLE ACTUATOR

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See application file for complete search history.

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(57) ABSTRACT

A drug delivery device comprises a shield (30) moveably mounted to a main portion and being displaceable by a user between a shielding and a non-shielding position, wherein a needle assembly (50) can be mounted on a reservoir, the shield covering the needle assembly in the shielding position. The needle assembly is moveable between a disconnected and connected position in fluid communication with the reservoir. In such an arrangement a mounted needle assembly is moved from the dis-connected to the connected position when the shield is moved from the shielding to the non-shielding position, and moved from the connected to the dis-connected position when the shield is moved from the non-shielding to the shielding position.

13 Claims, 3 Drawing Sheets



